



CITY OF LODI

PUBLIC WORKS DEPARTMENT

COUNCIL COMMUNICATION

TO : City Council
FROM : City Manager
MEETING DATE: April 19, 1989
AGENDA TITLE: Report on Paving Stones in Downtown Area (Report Only)

RECOMMENDED ACTION : None.

BACKGROUND INFORMATION: The Public Works Department is in the process of performing the final check of the downtown paving stones installed as part of the United Downtown Improvement District (UDID) project. The stones were installed in 1984 and the specifications included a requirement for a five-year warranty bond in the amount of \$42,000. The bond was provided by Reliance Insurance Company for the paving stone subcontractor, Mumbert Pipe Co. Inc., dba Specialty Paving System. The warranty, which will expire on August 10, 1989, states that: "...the installed paving stones will remain intact and free from settlement, breakage and uplifting". Neither the warranty nor the specifications included any specific limits on settlement.

In September 1985, the City notified the prime contractor, Claude C. Wood Company, that some concrete and paving work needed to be corrected and that some of the paving stones had settled; however, a decision as to what should be done with the paving stones was deferred.

In August 1986, Claude C. Wood Company was notified that work on the paving stones at a few locations needed to be done immediately and some should wait until late in the warranty period (see attached letter). This letter indicated an acceptable amount of Settlement was 1/2". This was based on ride quality and some allowance for future settlement. As a point of reference, the City's sidewalk maintenance policy states that vertical offsets of less than 3/4" need not be patched. The work called for in the August 1986 letter was completed in late 1987.

City staff has recently examined all the paving stone installations. It was noted that, in most cases, settlements were not significantly higher than in 1986. The defects found are listed below and referenced on the attached key map.

- A. Pine/Sacramento, west crosswalk - 1/2" to 1"+ settlement
- B. Pine/Sacramento, northeast corner - 1/2" settlement at curb near signal

APPROVED:


THOMAS A. PETERSON, City Manager

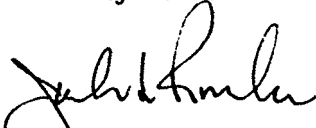
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- C. Pine/Church, north crosswalk - 1/2" settlement in wheel path
- D. Pine/Church inside fillet at 3 corners - 1/2" settlement
- E. East side of School, alley north of Elm - settlement is uniform but water valve riser is now above the stones
- F. Elm/School, east crosswalk - 1/2" to 5/8" settlement
- G. Elm/School, south crosswalk - minor settlement less than 1/2"
- H. East side of School, alley north of Pine - 1/2"+ settlement at curb & back of alley approach
- I. Pine/School, west crosswalk - two broken/chipped stones
- J. Pine/School, south crosswalk - 5/8" to 1" wheel path settlement
- K. Pine/School, northeast corner - 1/2"+ settlement
- L. Pine/School, east crosswalk - less than 1/2" wheel path settlement
- M. Oak/School - east, south & west crosswalks - 1/2" to 1" wheel path & general settlement
- N. Walnut/School, east & west crosswalks - 1/2" to 5/8" settlements, broken stone
- O. Walnut/School, southeast corner - raised/settled stones, some due to previous repair
- P. East side of School, alley north of Lodi - 3/4" to 1" settlement
- Q. Lodi/School, northeast corner - less than 1/2" settlement
- R. Lodi/School, northwest corner - 3/4" settlement at curb, 3/4" wheel path settlement

There are many minor defects which may present an appearance problem, but are not a safety or maintenance problem. Given the nature of paving stones and the chance that repairs may not appreciably improve the existing condition, it is recommended the number of repairs be minimized. Not all the defects listed will require repair. Other areas, such as the alley approach on the west side of School Street north of Elm, look very bad. However, the problem is due to the poor sidewalk, curb, and alley paving which was not replaced as part of the Downtown project due to cost considerations.

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All the defects listed will be evaluated as to degree of hazard, ride quality, and appearance. A list of recommended repairs will be developed and presented to the City Council in May 1989.



Jack L. Ronsko
Public Works Director

JLR/RCP/mt

Attachments

cc: Street Superintendent
Claude C. Wood Company
Muller Supply
Lodi Downtown Business Association

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THOMAS A PETERSON
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City Attorney

August 6, 1986

Claude C. Wood Co.
P.O. Box 599
Lodi, CA 95241

SUBJECT: UDID Project

An inspection was recently made of the Interlocking Paving Stones on this project by Harold Raverty and myself. After riding over most of the crosswalks and measuring the settlement of the stones, we determined that 1/2" of settlement was a reasonable "break point". We then string-lined all of the crosswalks and recorded those that were 1/2" (00.04') or more, except for the westernmost crosswalk at Sacramento and Pine Street. A copy of our observations is included for your use.

Five areas should have your immediate attention; two low areas at the extreme end of the crosswalk at Lodi Avenue are a tripping hazard; the alley on the east side of School, north of Lodi Avenue, has a large settlement and tends to pond water; the paving stones in the sidewalk at the southeast corner of Walnut and School has a small failed area; and the retainer curbing in the westernmost crosswalk at Sacramento and Pine needs to be replaced because the original repairs have not held up.

Other low areas are not creating a hazard and you may want to leave them until near the end of the five-year warranty period, at which time these areas as well as any other low areas that develop could all be done at the same time.

We would appreciate your proceeding with paving corrections as rapidly as possible, as discussed in our attached letter of September 13, 1985.

Sincerely,



G.E. Robison
Assistant City Engineer

• closures

cc: Harold Raverty
Glen Baltzer
Muller Supply Co.

GER/ma

